

Summary Sheet

Applicant:	City of Yreka	BMS No: 2010FPCP0012
Project Name:	City of Yreka Flood Hazard Reduction Project	
County:	Siskiyou	
Location:	City of Yreka	
Problem to Be Fixed:	Yreka Creek is a deeply incised channel with little to no readily accessible floodplain during smaller flood events, very little transitory storage, and adjacent commercial and residential development subject to flooding during large events. Smaller storms can be handled by the current storm drain system and configuration of Yreka Creek; however, anything greater than a 20-year flood event causes flood problems.	
Project Description:	<p>Overall Project: will provide protection and an enhanced floodplain through the entire 5-mile creek length within the City of Yreka.</p> <p>Funded Project: Acquire and protect approximately 1.2 miles of riparian corridor along both sides of Yreka Creek, ranging between 100 to 300 feet wide along the creek. This includes widening and restoring 0.64 miles. The restoration area is 15.6 acres and will consist of shaded riverine aquatic cover habitat.</p> <p>North Reach: 0.41 mile reach consisting of 29 total acres of land proposed for acquisition and floodplain restoration. The project will lower 11 acres of land along the creek to create a much larger and more accessible floodplain re-vegetated with native riparian and upland plant species.</p> <p>Central Reach: 0.23 mile reach consisting of 21 total acres of land proposed for floodplain restoration. The creek through the Klamath National Forest Service Center property is constricted by the retaining walls, a bridge, fill material and adjacent buildings. The project will bypass the bridge with a greatly enlarged and re-vegetated floodway and remove the eastside retaining wall and several buildings. The new floodplain will be 5 acres in size.</p> <p>South Reach: largely undeveloped 0.58 mile reach that has the greatest risk of commercial encroachment. The project includes acquisition of 11 acres of property.</p>	
Flood Benefits:	The funded project will create additional capacity within the footprint of an expanded floodway with a certain amount of freeboard incorporated into the design to provide for a buffer. Upon completion of the overall project (after full build out), the Yreka Creek Greenway corridor will contain the creek channel (largely untouched), a widened and lowered floodplain, overflow channels, an expanded riparian zone and future recreation amenities. The project will directly increase flood storage capacity by providing 95 acre-feet of additional transitory storage in the two reaches to be improved, and an additional 53 acre-feet in the south reach to be acquired for future restoration. Both the water surface elevation and water velocity will be reduced. The water surface elevation during a 100-year event will be reduced by about 5 feet from the existing flood height. During such an event water velocity will be reduced to about one quarter of what it is under existing conditions, from around 10 cfs to 2-3 cfs.	
Wildlife Benefits:	The project will provide enhanced protection of coho salmon critical habitat by protecting streamside areas, restoring side channel and channel margin habitats, removing noxious weeds, planting native riparian woody perennials, and precluding future floodplain degradation from development. Development threats to these habitats, due to current commercial zoning and proximity to the I-5 corridor will be permanently eliminated by the acquisition of land and its incorporation into the Greenway.	
Agricultural Benefits:	N/A	
Total Project Cost:	\$40,000,000	
FCP Project Cost:	\$5,000,000	
Assembly District No. and Representative Name:	Assembly District 2: Jim Nielsen	
Senate District No. and Representative Name:	Senate District 4: Doug LaMalfa	